

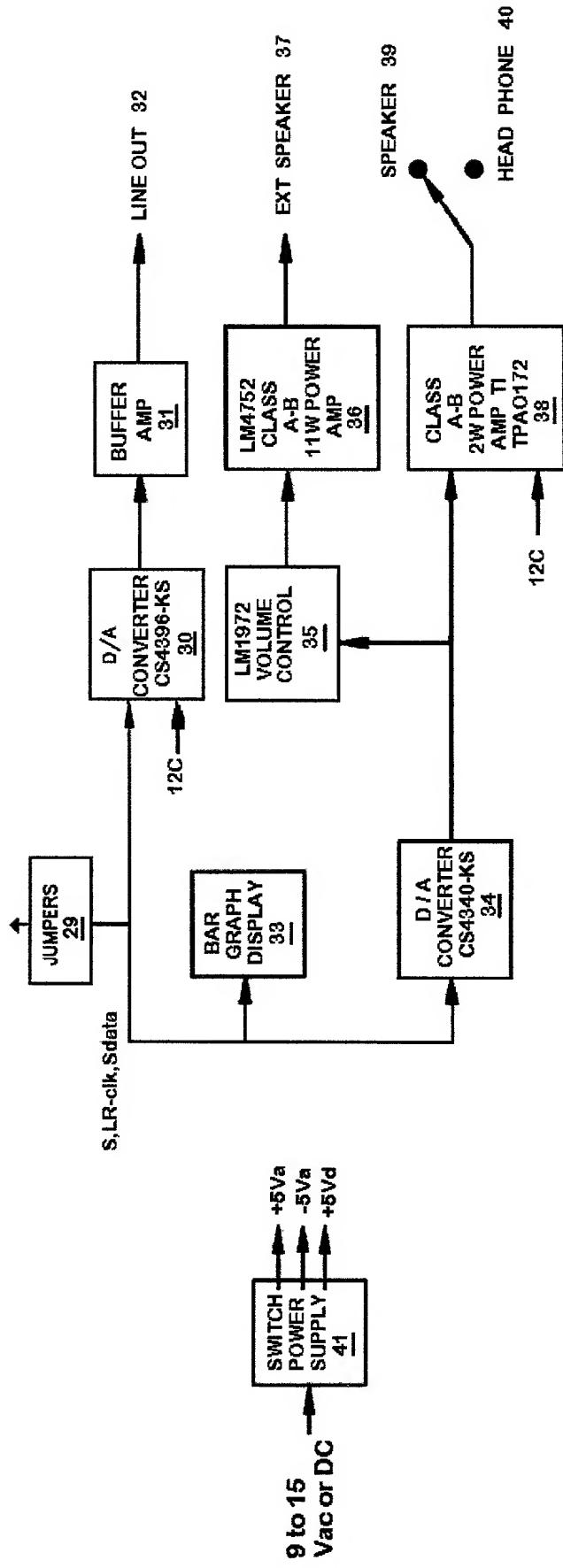
Stock:  
Audio Monitor, Bar Graph

Options:

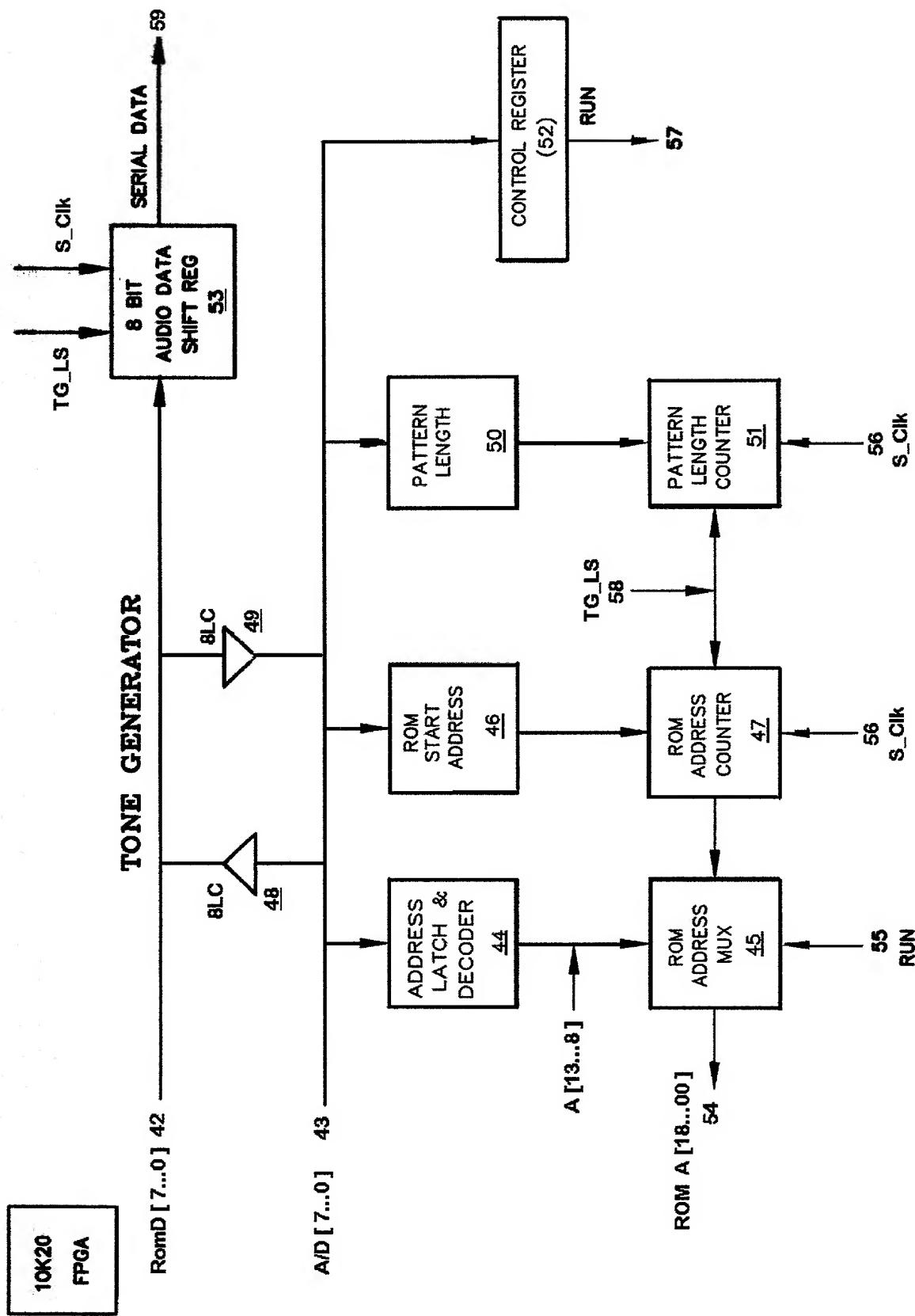
1. Audio Out
2. Audio In, Sample Rate converter & Mixer
3. Tone Generator

**Audio Display Voice Over & Tone**  
Overall Block Diagram  
Fig. 1a

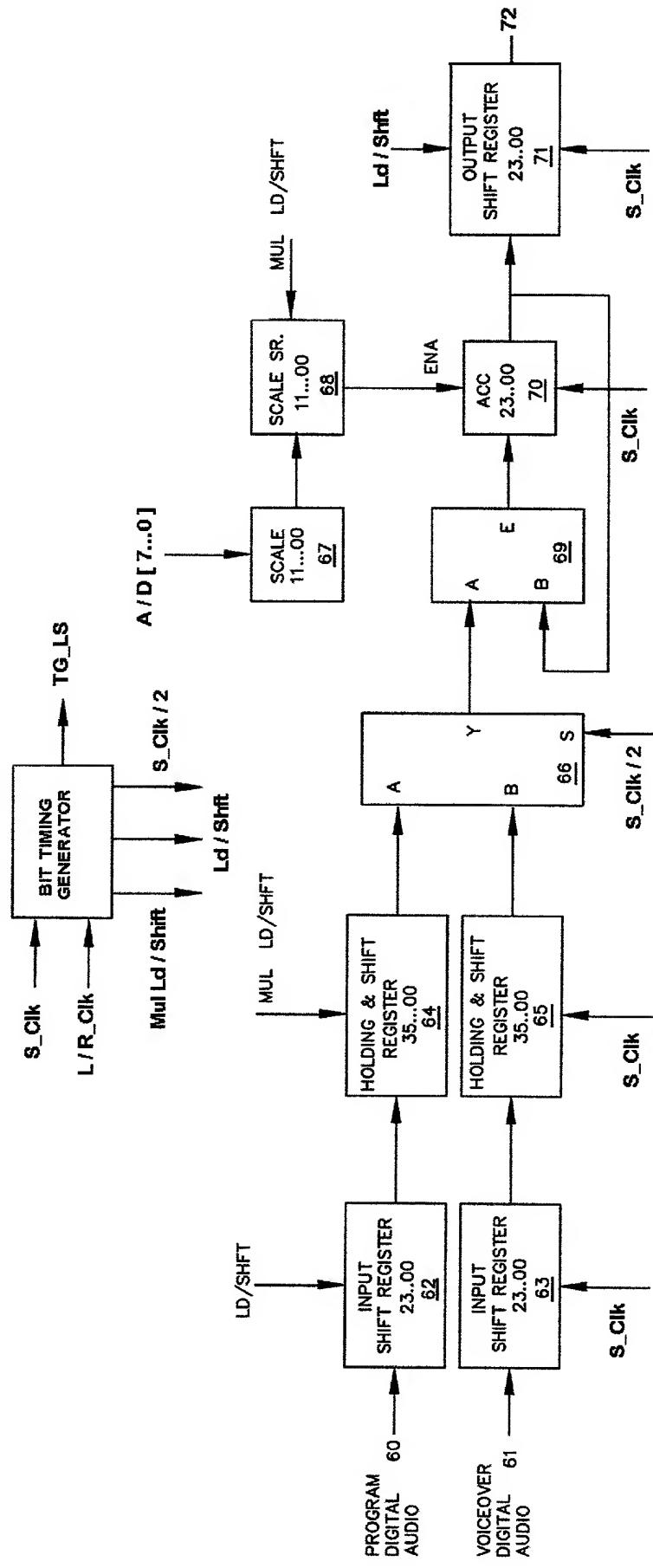
Fig 1a-A



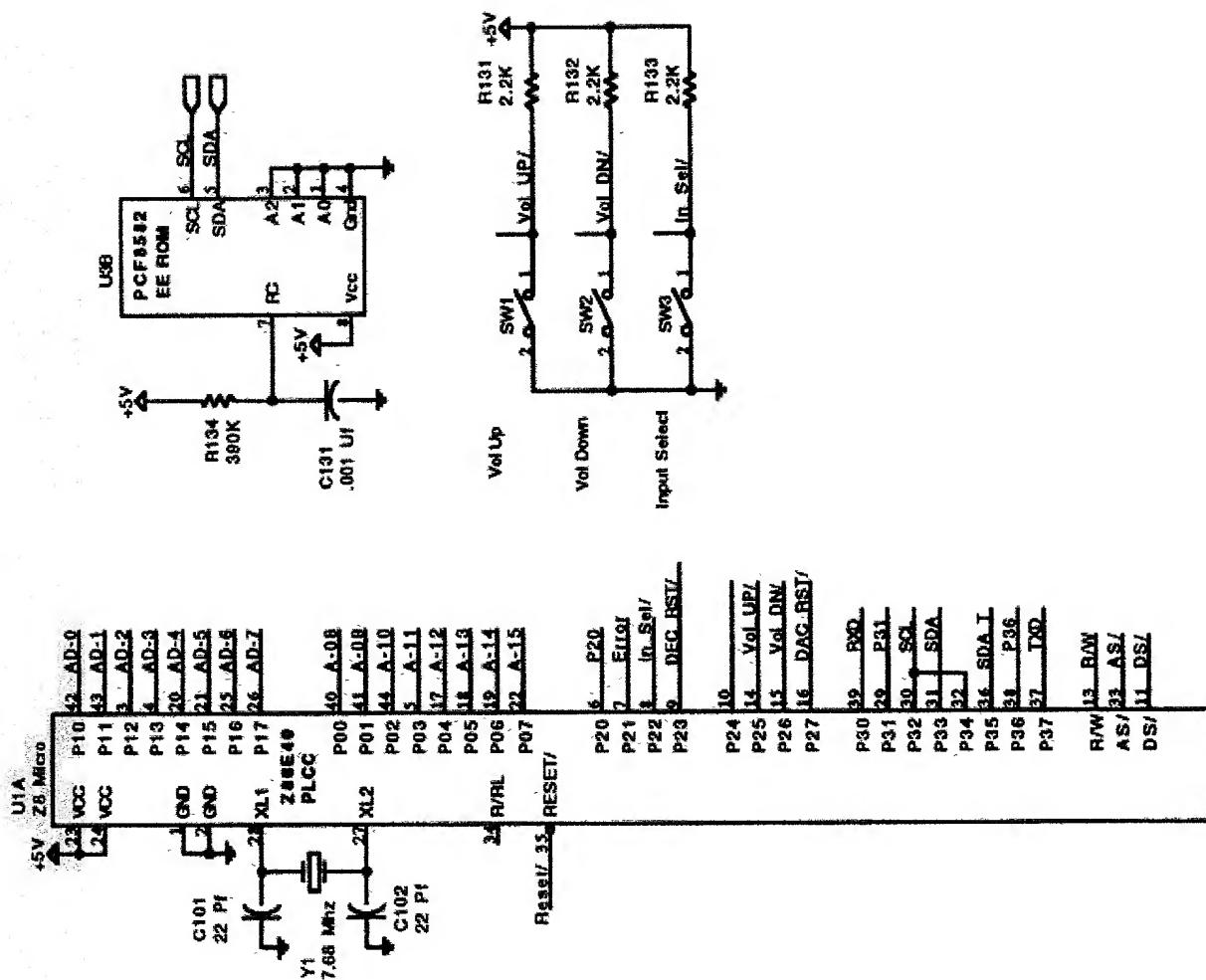
Audio Display Voice Over & Tone  
Overall Block Diagram  
Fig. 1b



**Audio Display Voice Over & Tone  
Inside the Gene FPGA**  
Fig. 2

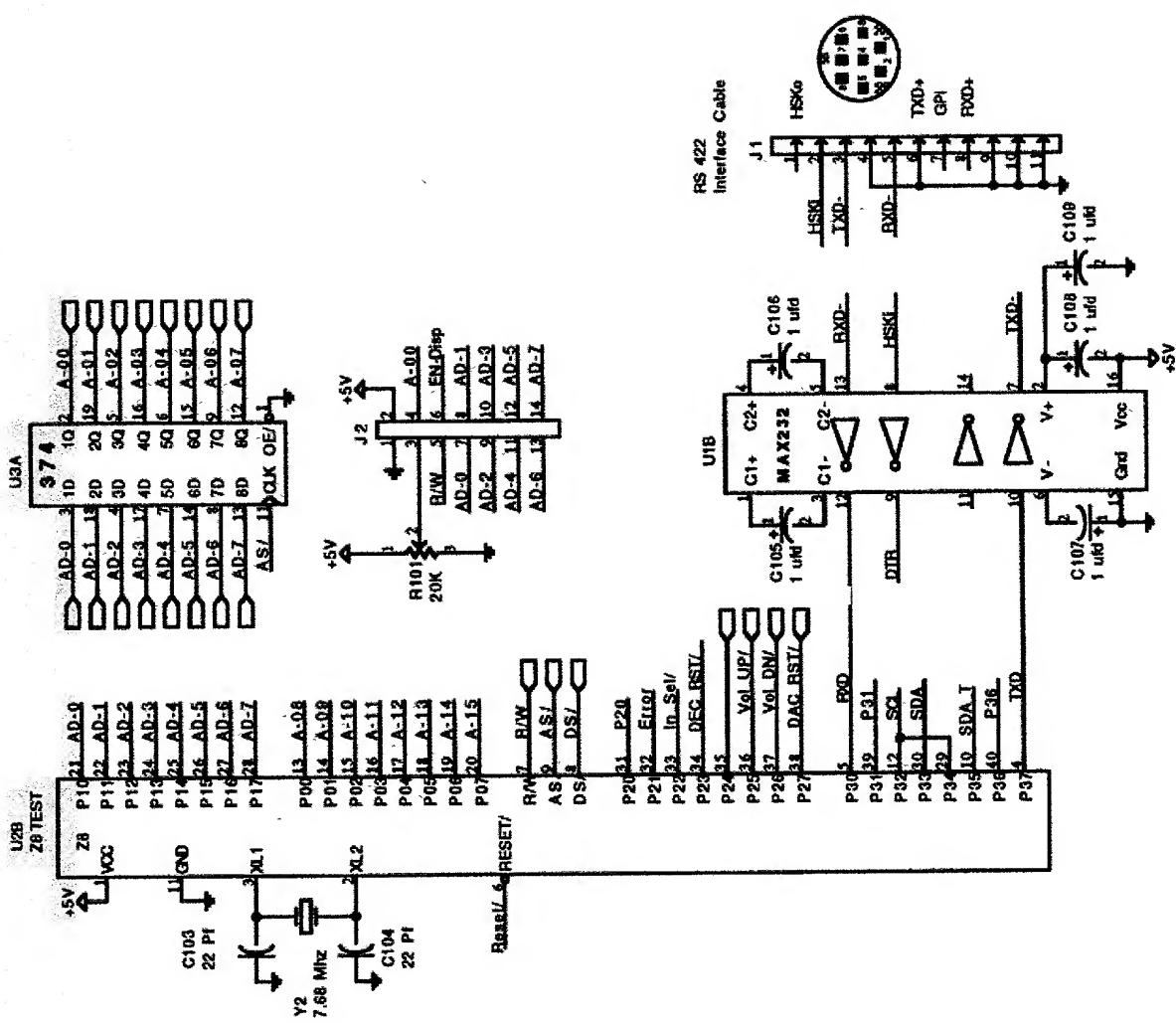


## Audio Display Voice Over & Tone 2 Channel Stereo Audio Disolver \ Mixer Fig 3

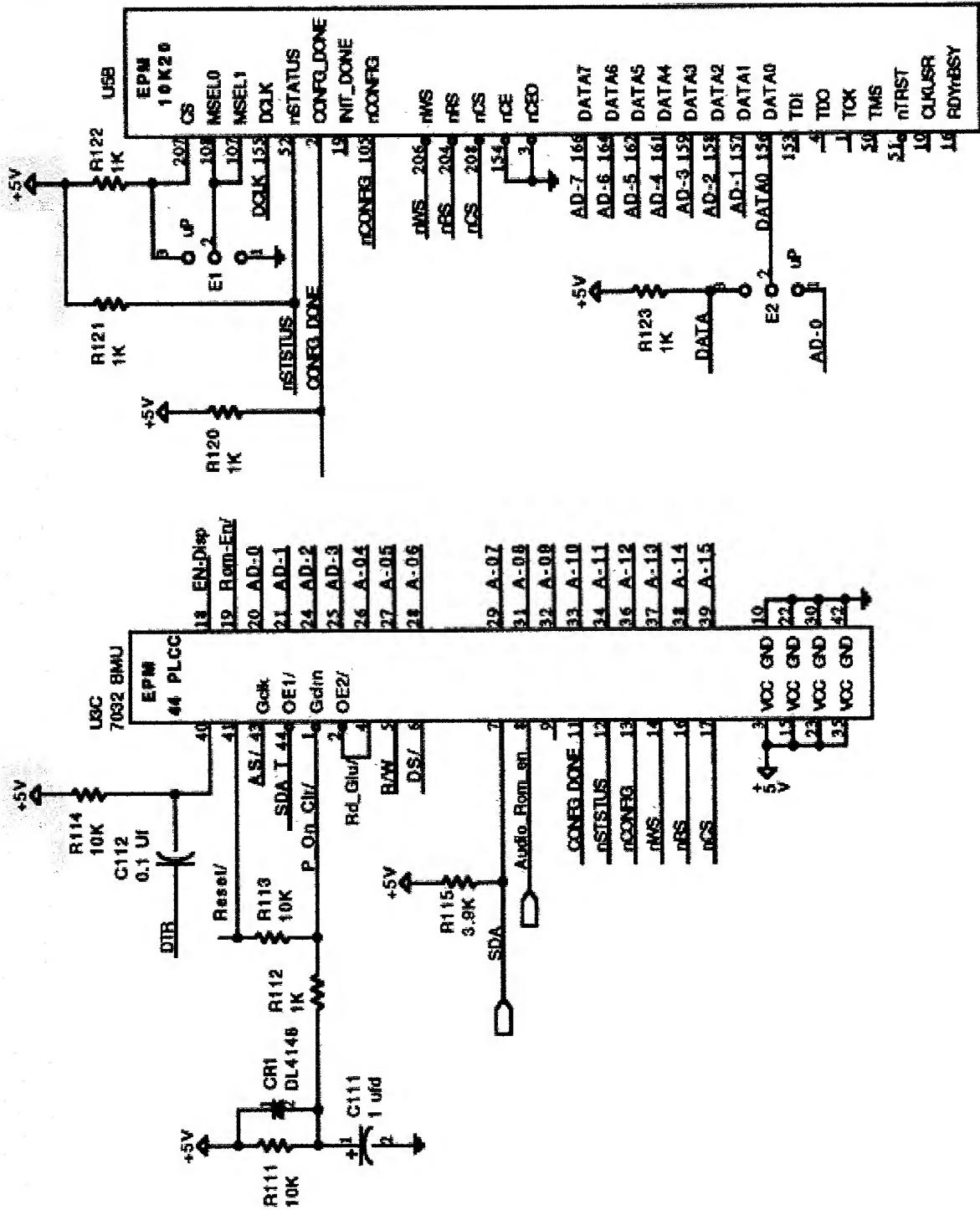


## Audio Display Voice Over & Tone Computer Interface

Fig 4a

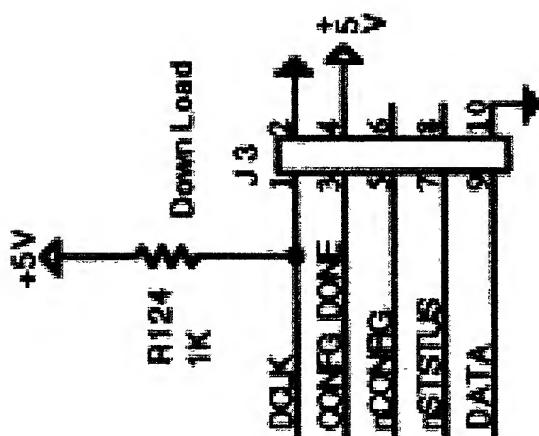
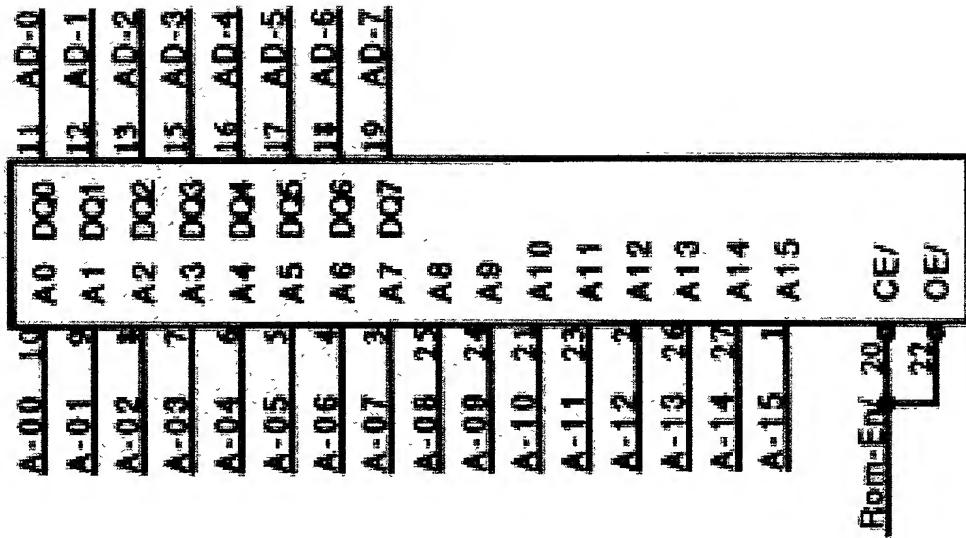


**Audio Display Voice Over & Tone Computer Interface**  
**Fig 4b**

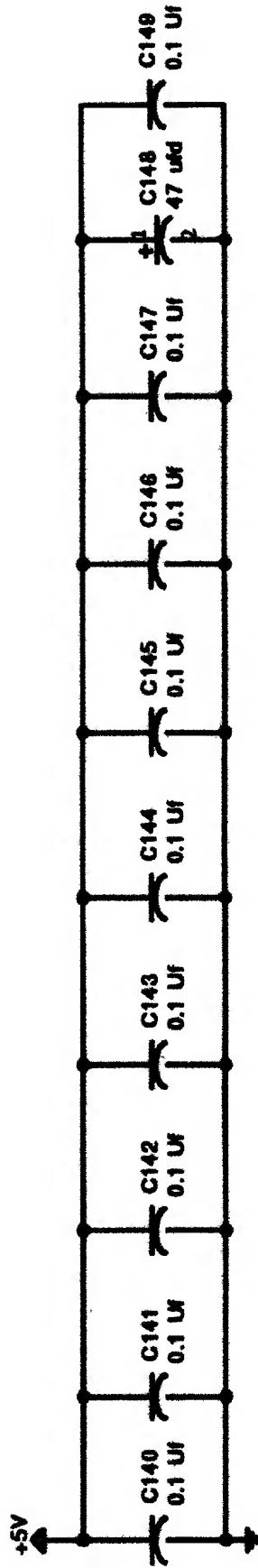


Audio Display Voice Over & Tone  
Computer Interface  
Fig 4c

LMB  
27C512



Audio Display Voice Over & Tone  
Computer Interface  
Fig 4d



Audio Display Voice Over & Tone  
Computer Interface  
Fig 4e

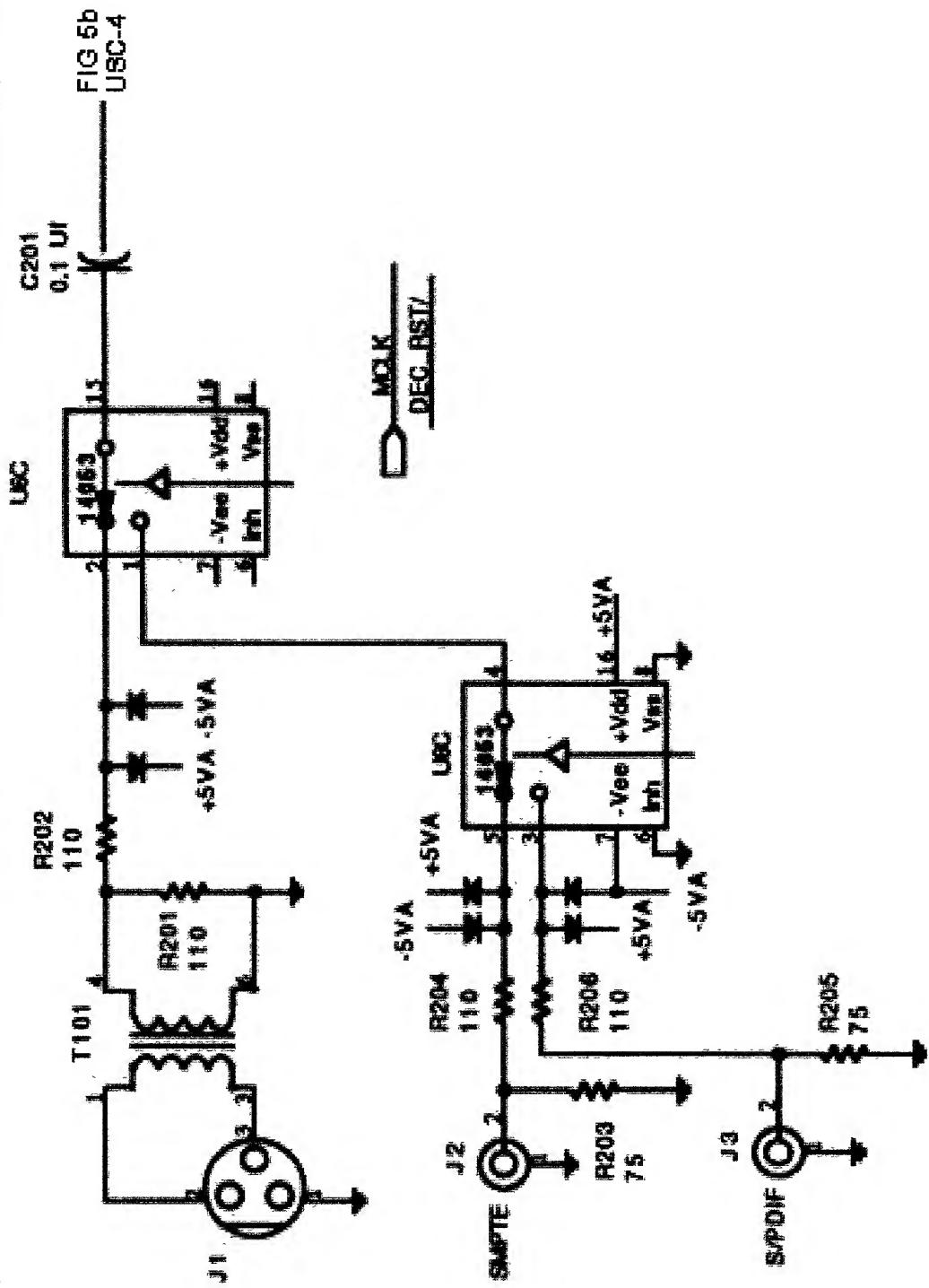
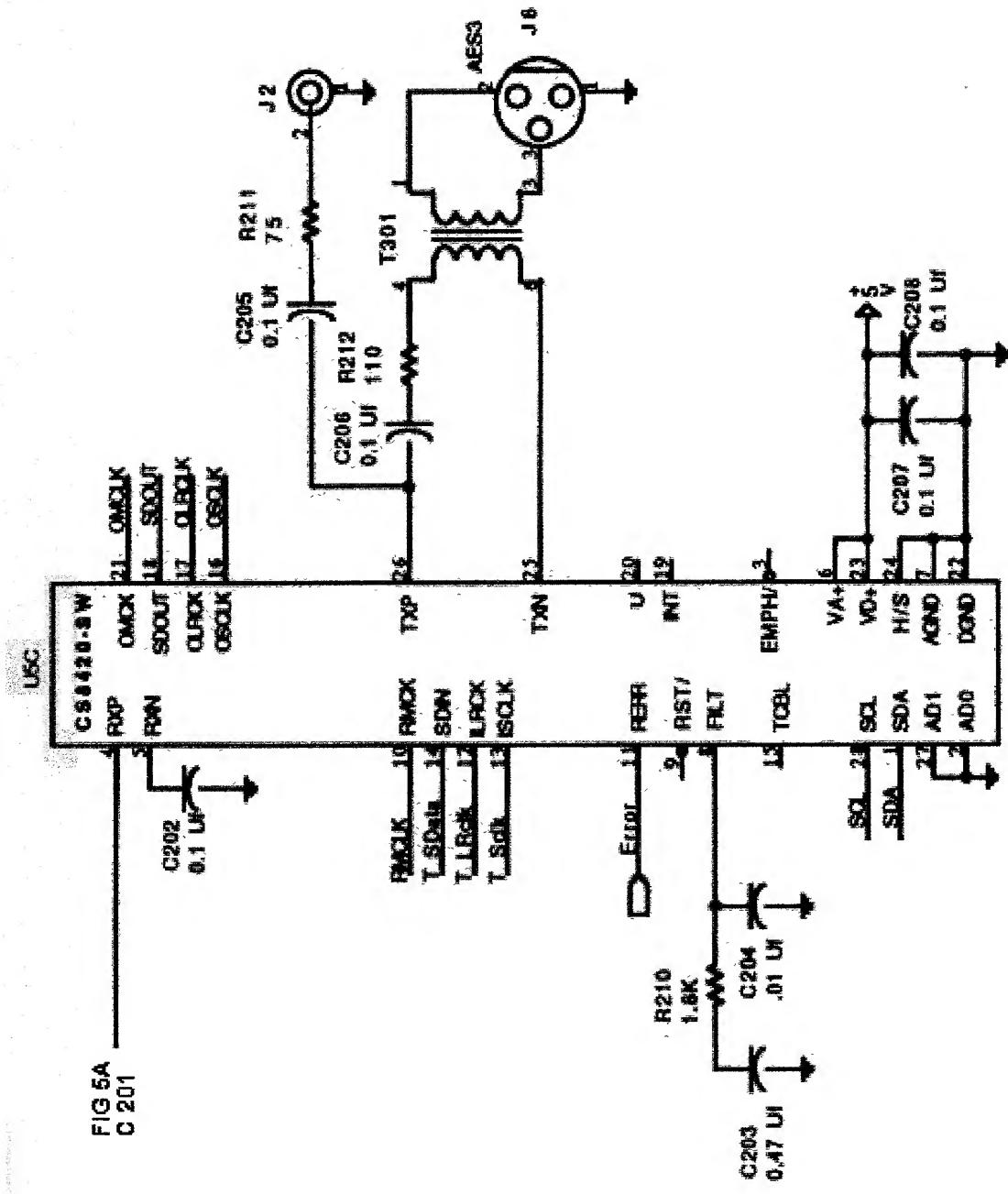
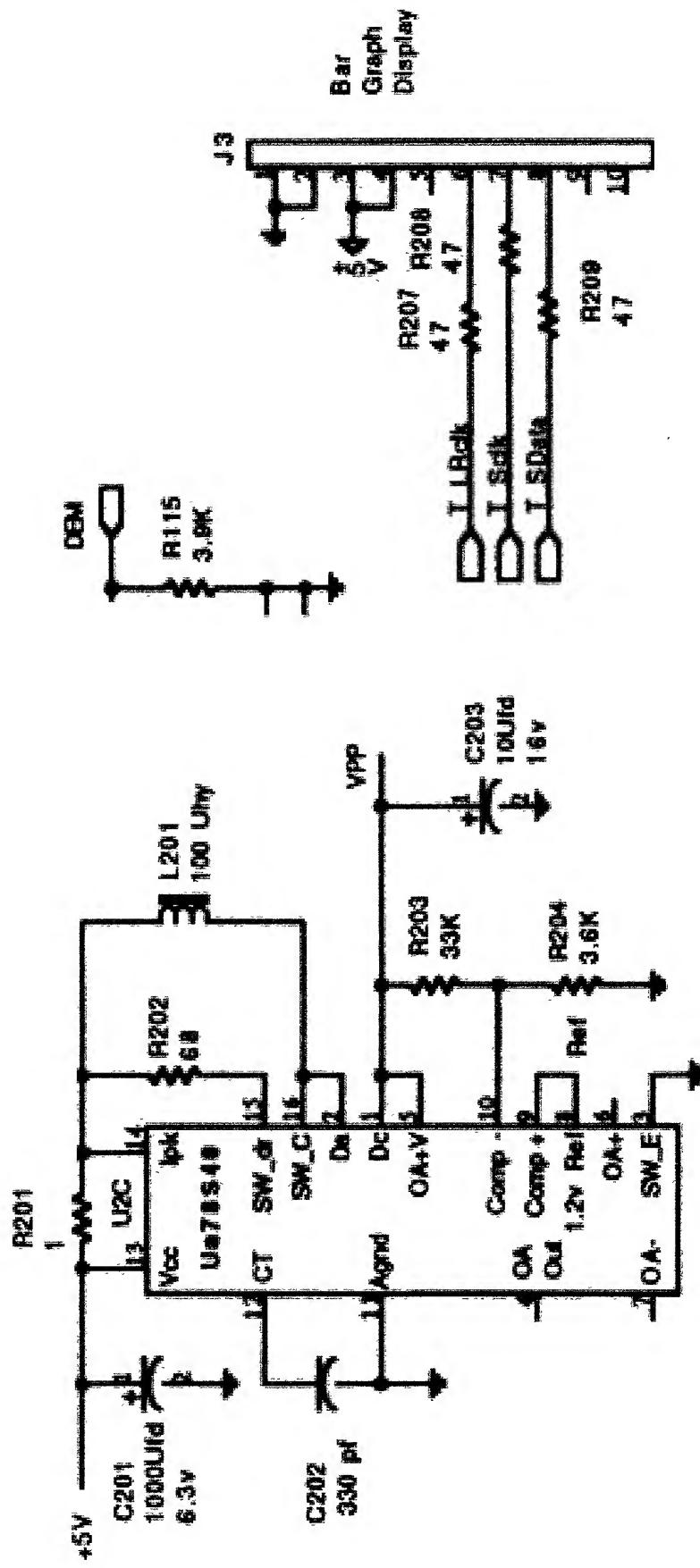


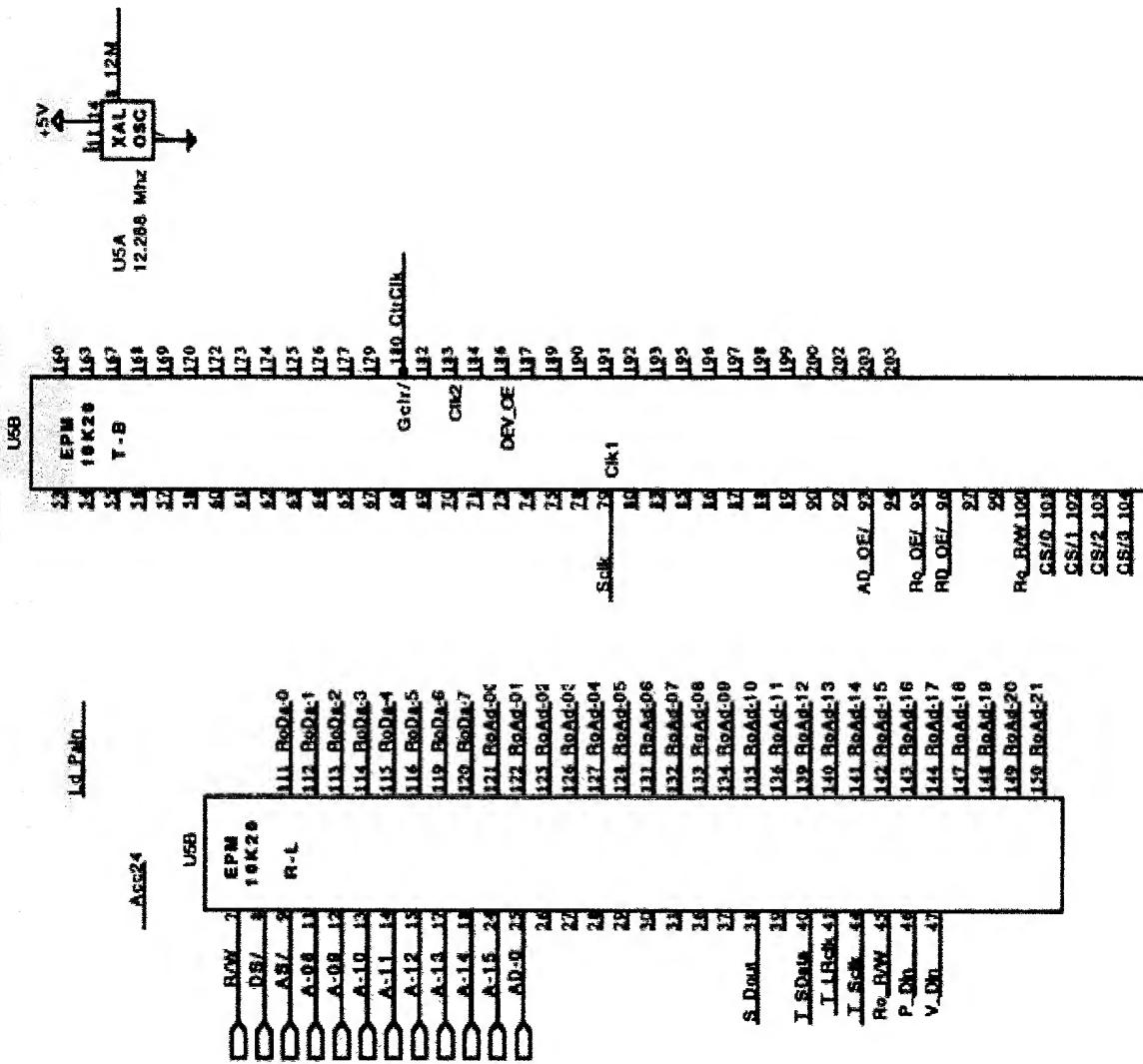
Fig 5a  
Audio Display Voice Over & Tone  
Digital Audio



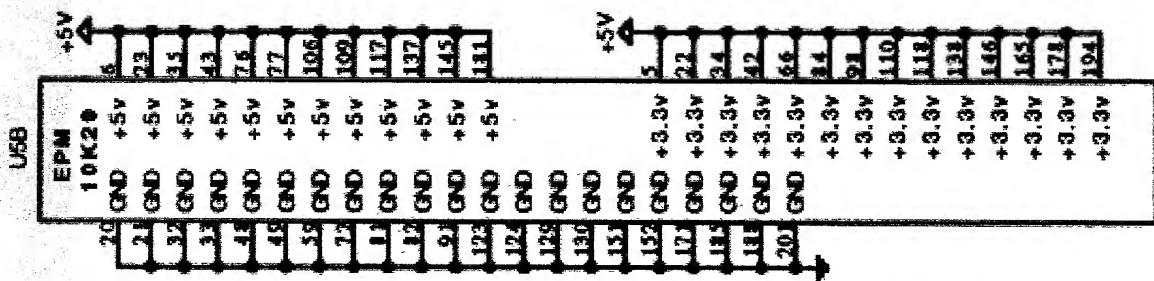
Audio Display Voice Over & Tone  
Digital Audio  
Fig 5b



Audio Display Voice Over & Tone  
Digital Audio  
Fig 5c



## Audio Display Voice Over & Tone Digital Audio Fig 5d



The Tone EEPROM

U49

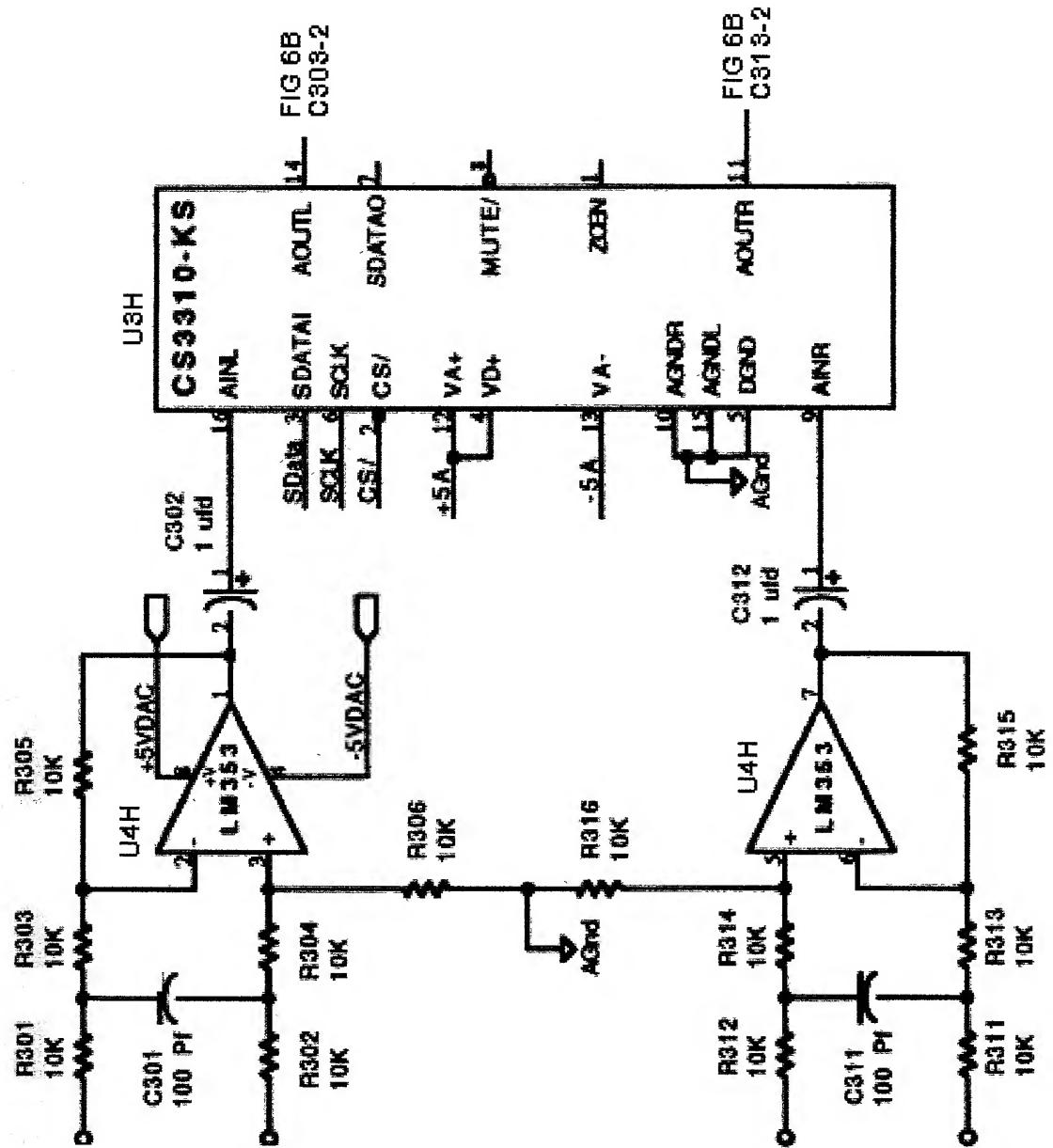
DIP-32	
RoAd-00	12
RoAd-01	11
RoAd-02	10
RoAd-03	9
RoAd-04	8
RoAd-05	7
RoAd-06	6
RoAd-07	5
RoAd-08	2
RoAd-09	1
RoAd-10	2
RoAd-11	2
RoAd-12	4
RoAd-13	3
RoAd-14	2
RoAd-15	1
RoAd-16	2
RoAd-17	3
RoAd-18	3
Ro_HAW	
Ro_OE/	2
Ro_CS/	22
GND	16

The Optional Tone EEPROM

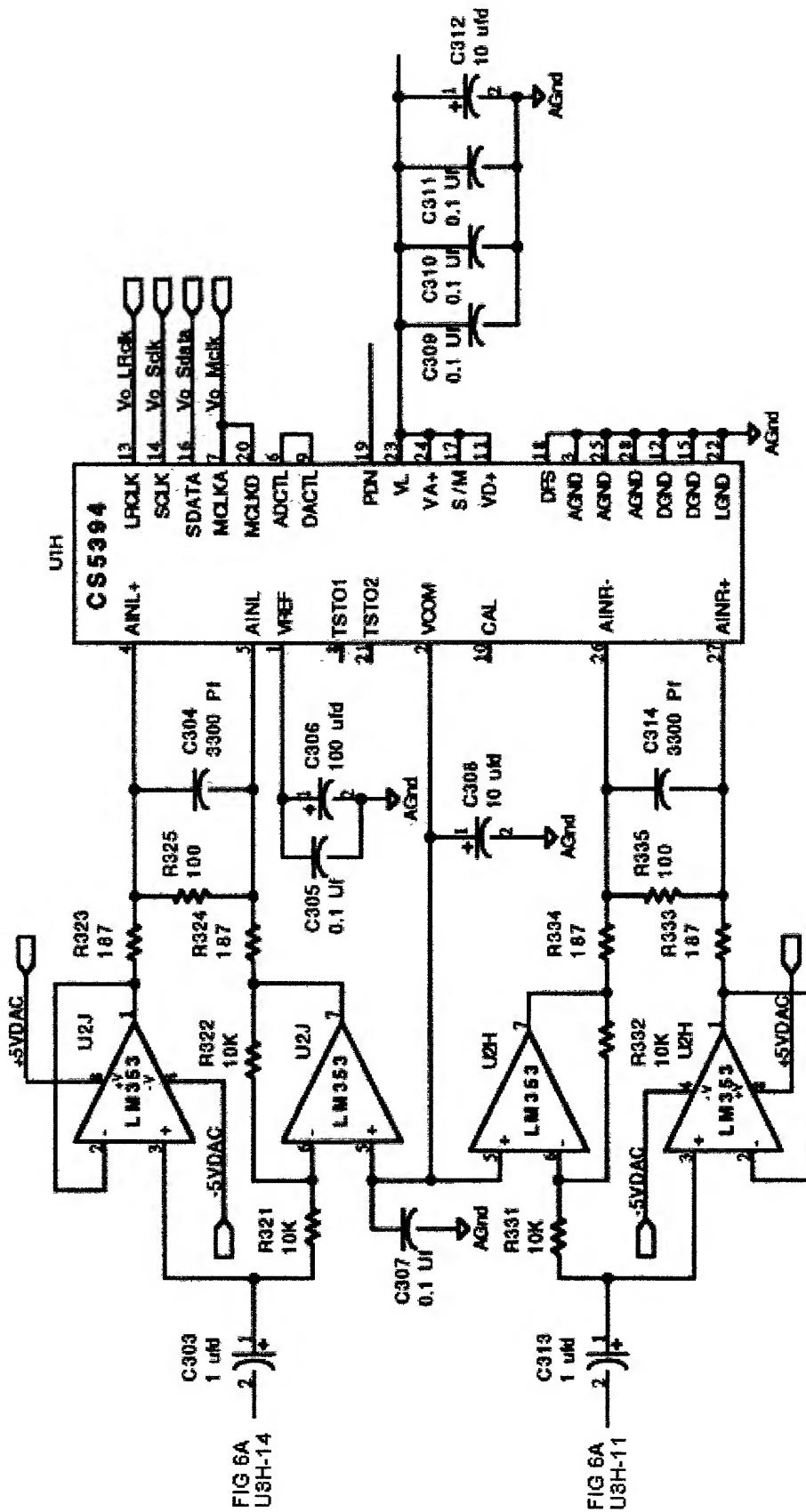
U54

PLCC-32	
RoAd-00	12
RoAd-01	11
RoAd-02	10
RoAd-03	9
RoAd-04	8
RoAd-05	7
RoAd-06	6
RoAd-07	5
RoAd-08	2
RoAd-09	1
RoAd-10	2
RoAd-11	2
RoAd-12	4
RoAd-13	3
RoAd-14	2
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VPP	1
Ro_HAW	
Ro_OE/	2
Ro_CS/	22
GND	16

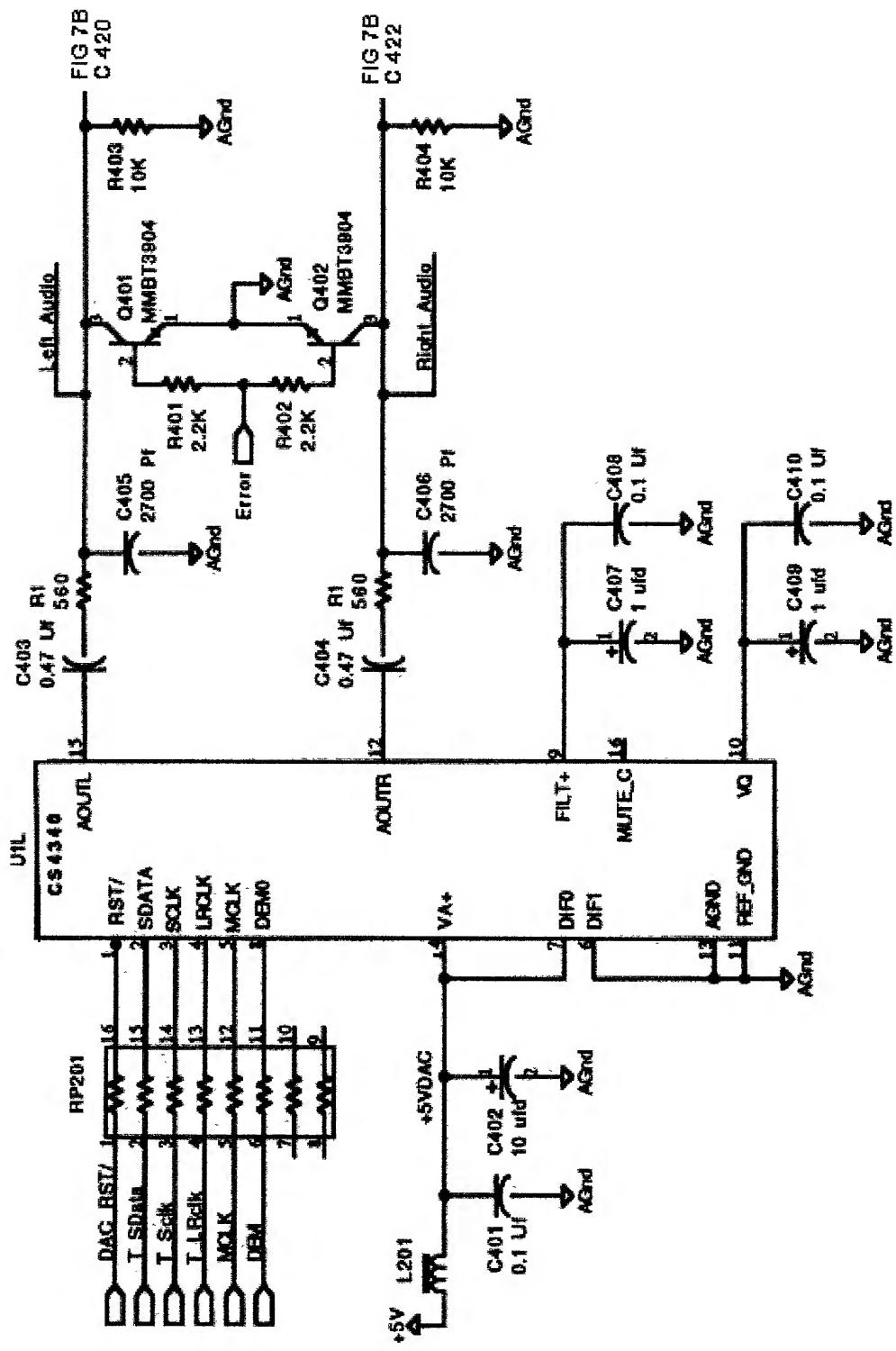
Audio Display Voice Over & Tone  
Digital Audio  
Fig 5e



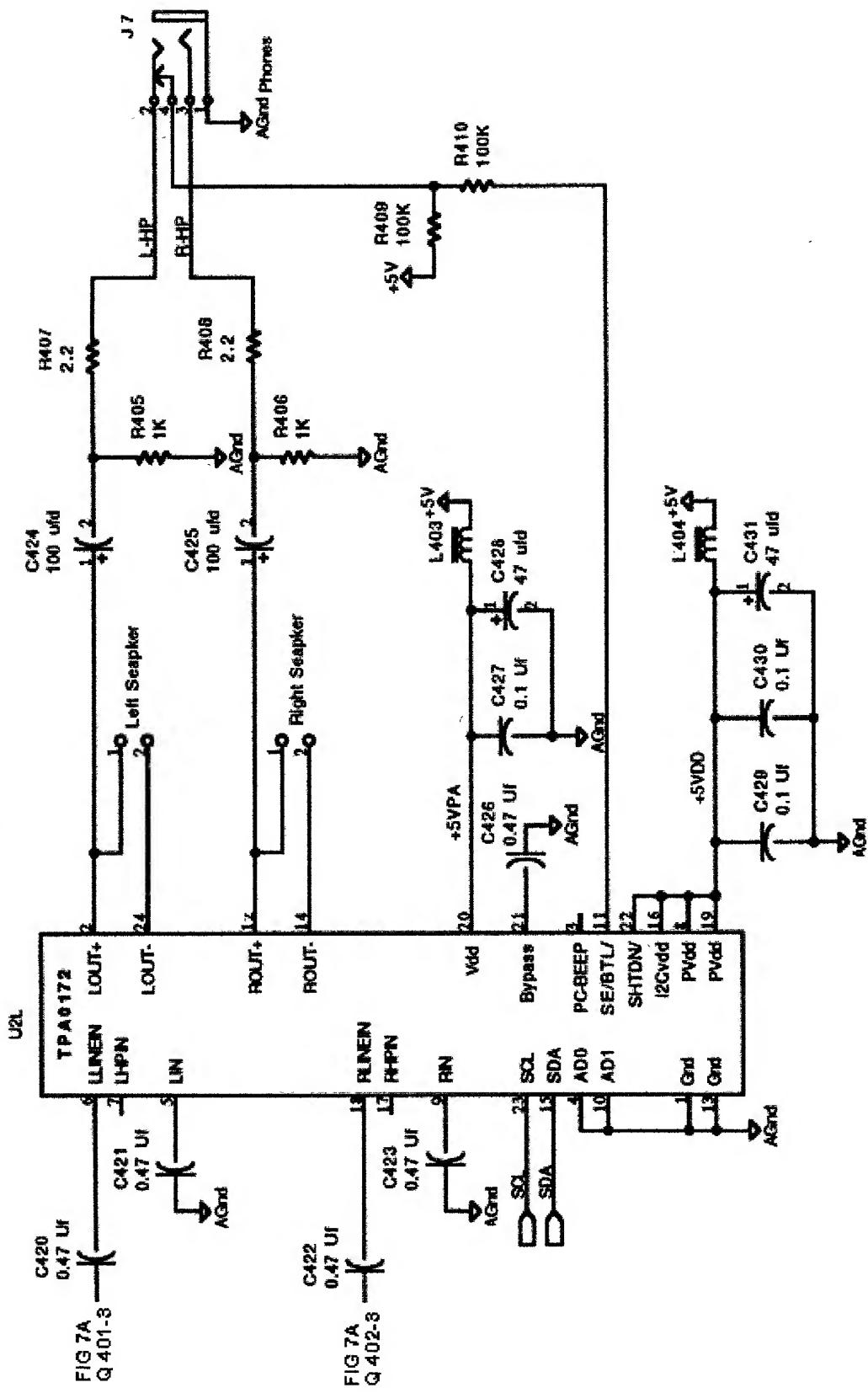
**Fig 6a**  
**Audio Display Voice Over & Tone**  
**Analog Audio Output**



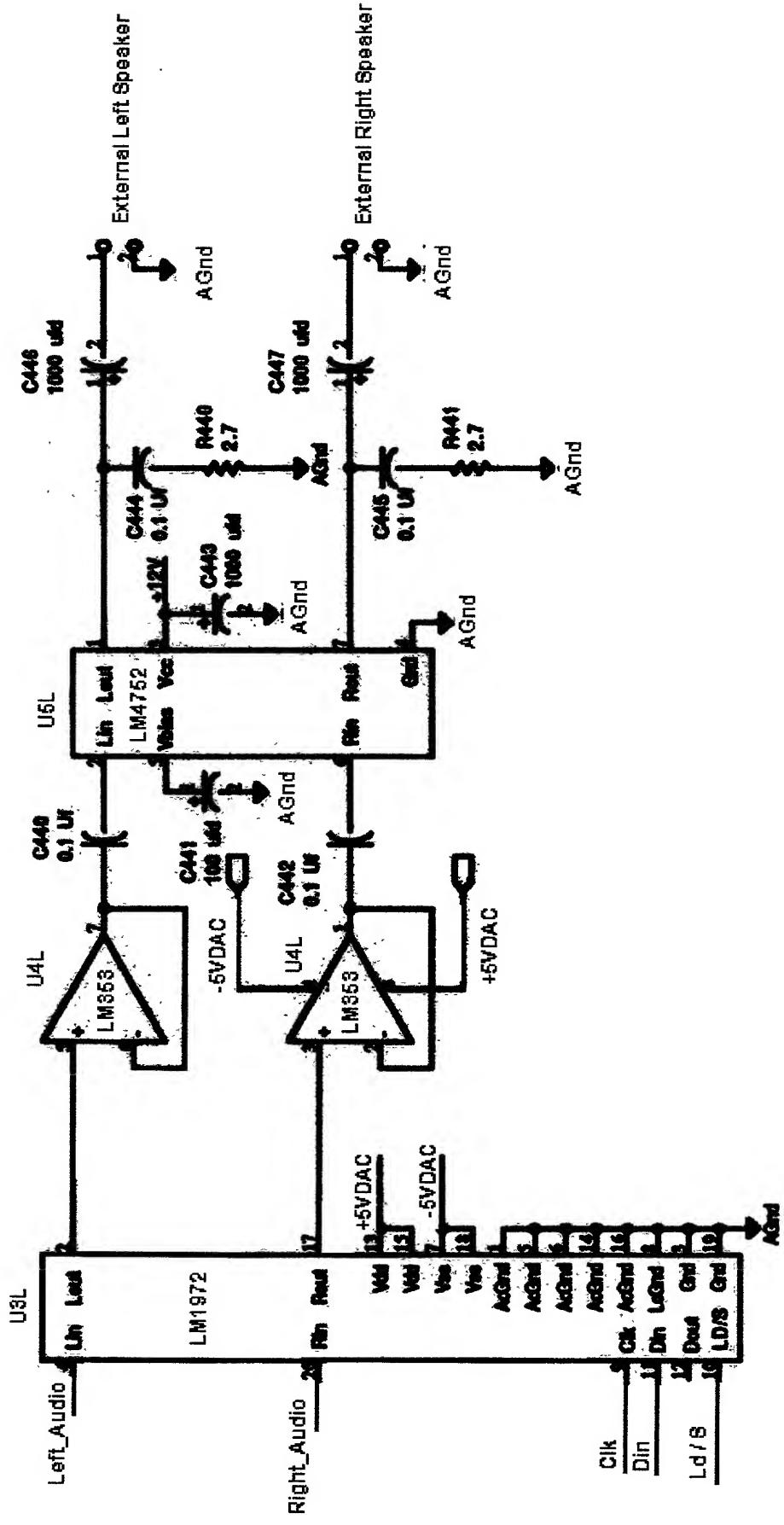
**Fig 6b**  
Audio Display Voice Over & Tone  
Analog Audio Output



**Fig. 7a**  
Audio Display Voice Over & Tone  
Analog Audio Input

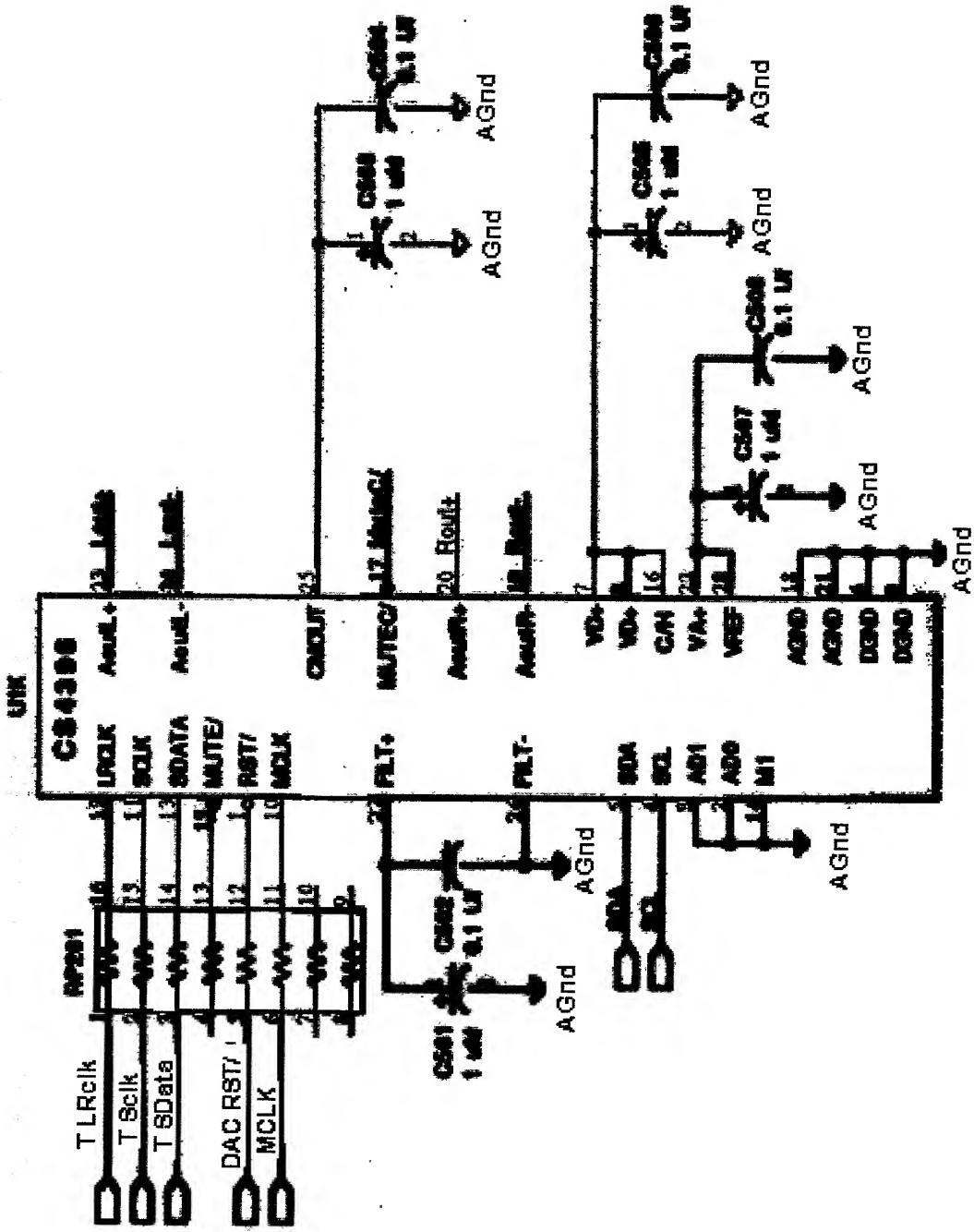


**Audio Display Voice Over & Tone**  
Analog Audio Input  
Fig. 7b

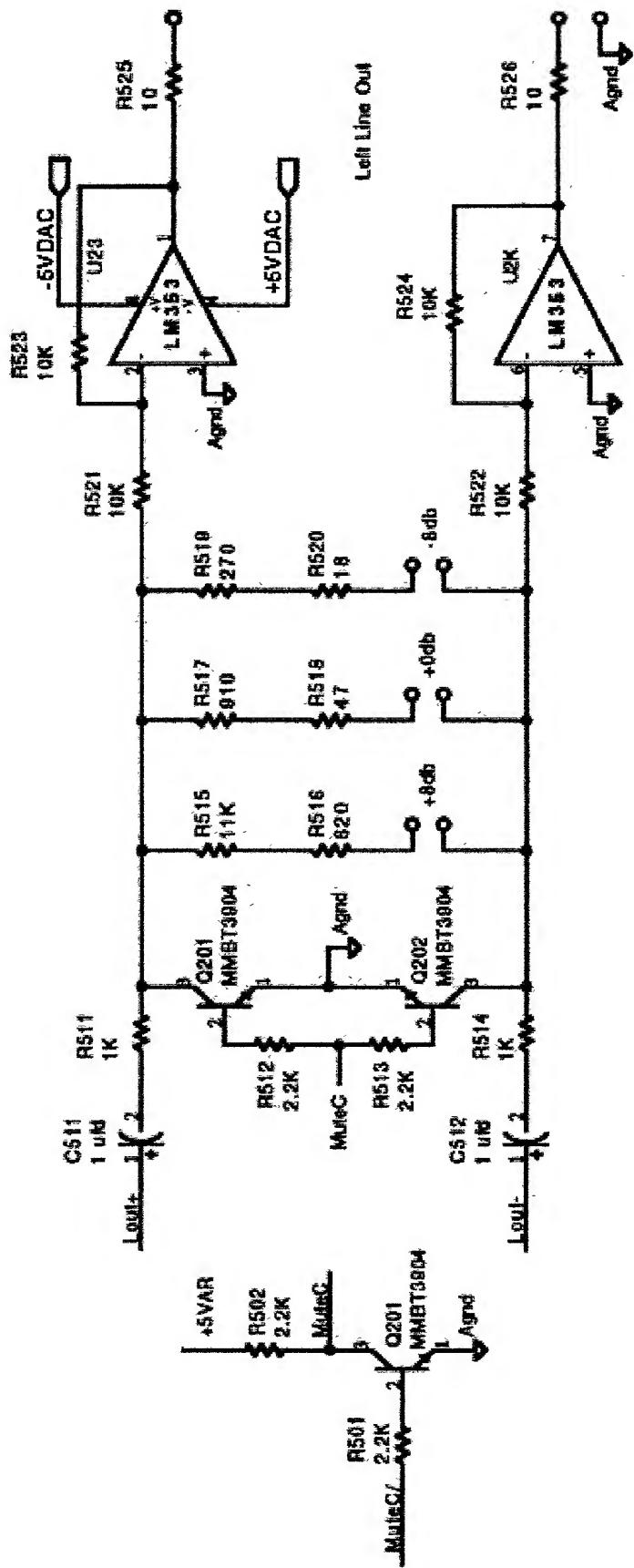


**Fig. 7c**

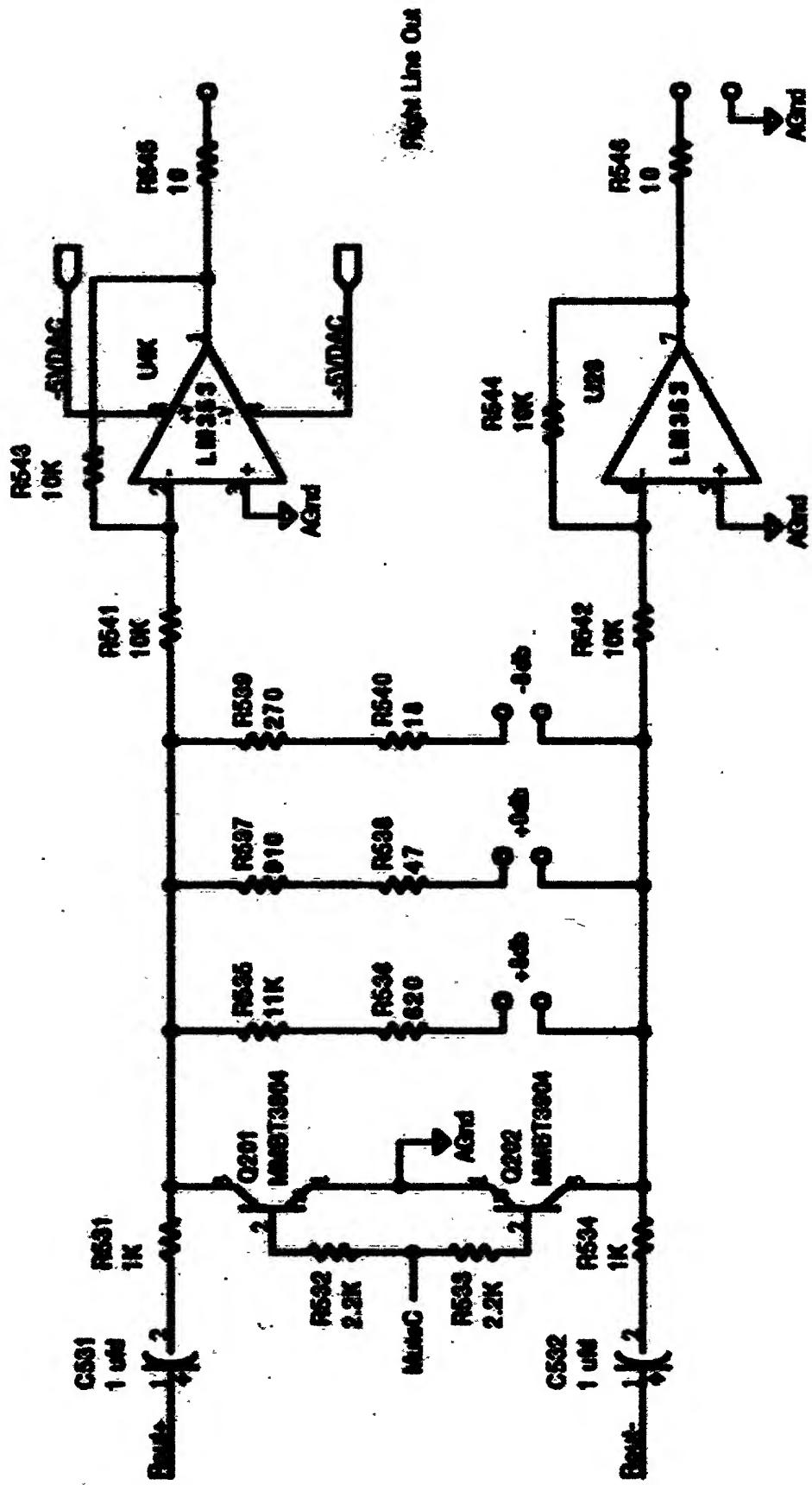
**Audio Display Voice Over & Tone**  
**Analog Audio Input**



**Fig. 8a** **Audio Display Voice Over & Tone**  
**Analog Audio Line Output**



Audio Display Voice Over & Tone  
Analog Audio Line Output  
Fig. 8b



Audio Display Voice Over & Tone  
Analog Audio Line Output  
Fig. 8c